

# STRUCTURAL ENGINEERING INVESTIGATION & REPAIR RECOMMENDATION

U.S. DEPARTMENT OF STATE  
BUREAU OF OVERSEAS BUILDINGS OPERATIONS



**IFC SUBMITTAL  
14 FEBRUARY 2019**

**U.S. EMBASSY  
VIENTIANE, LAOS**

CONTRACT NUMBER: 19AQMM-18-F-2930

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ATTN: Charles Ekiert OBO/COR/PM  
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## STRUCTURAL SHEET LIST

S1.01	TOP OF SLAB CRACK MAP - SOUTH
S1.02	TOP OF SLAB CRACK MAP - NORTH
S2.01	BOTTOM OF SLAB CRACK MAP - SOUTH
S2.02	BOTTOM OF SLAB CRACK MAP - NORTH
S3.01	CRACK PHOTOS
S3.02	CRACK PHOTOS
S3.03	CRACK PHOTOS
S3.04	CRACK PHOTOS
S3.05	CRACK PHOTOS
SR1.01	TOP OF SLAB REPAIR PLAN - SOUTH
SR1.02	TOP OF SLAB REPAIR PLAN - NORTH
SR2.01	BOTTOM OF SLAB REPAIR PLAN - SOUTH
SR2.02	BOTTOM OF SLAB REPAIR PLAN - NORTH

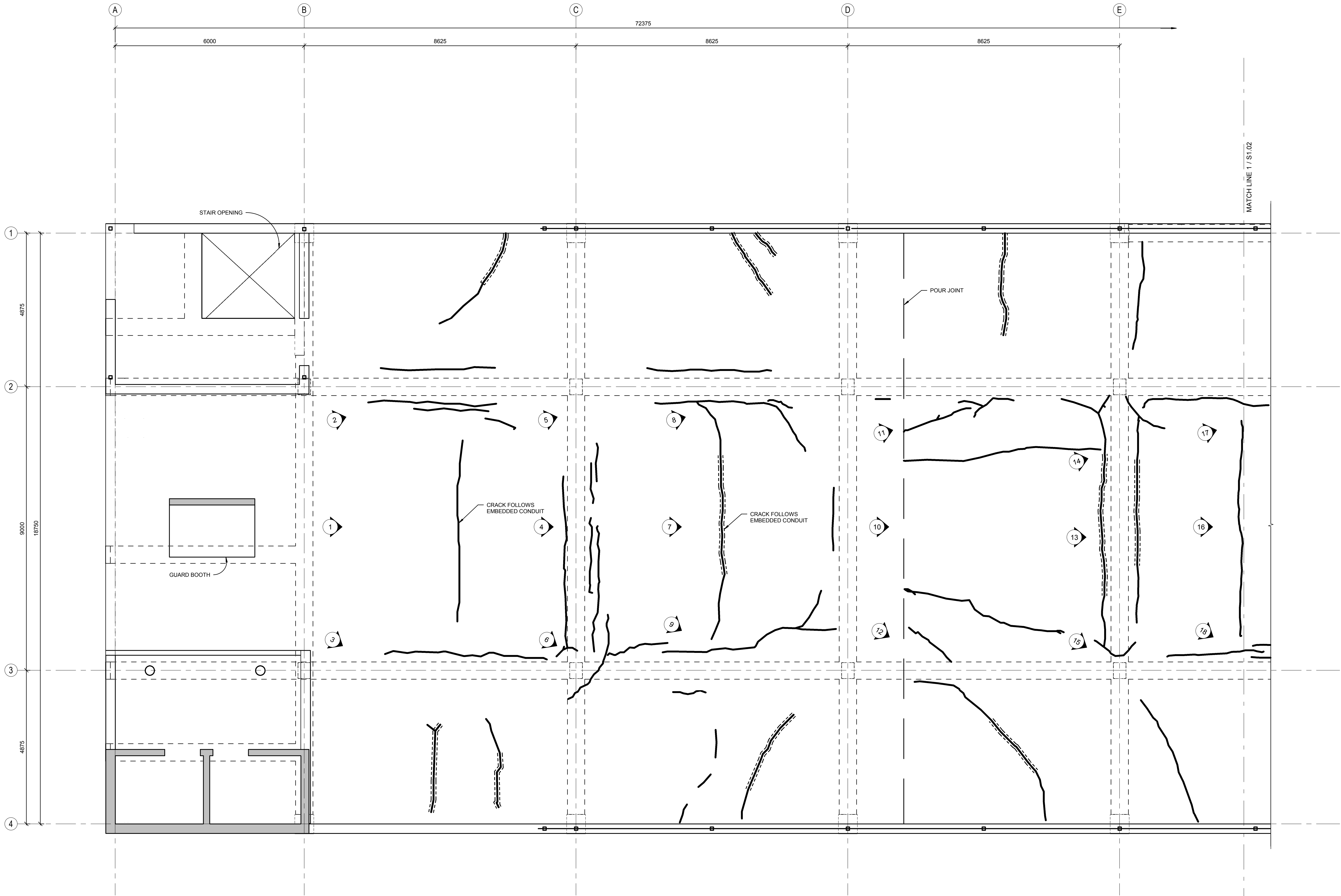


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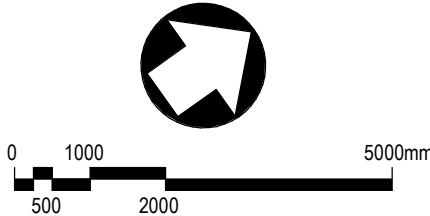
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NOTE:  
CRACK WIDTHS LESS THAN 0.51mm (0.02") ARE NOT SHOWN.

1 TOP OF SLAB CRACK MAP - SOUTH  
S1.01 1:50

- APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")
- INDICATES CRACK THROUGH FULL DEPTH OF SLAB
- INDICATES PHOTO ID NUMBER AND DIRECTION PHOTO WAS TAKEN. SEE SHEETS S3.01 TO S3.05



REVISIONS		
Rev Number	Description	Date

Architects  
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Release For Construction  
Contract Number: 19AQMM-18-F-2500  
OBO/PE/SPCD

Drawing Title  
TOP OF SLAB CRACK MAP - SOUTH

O&B Project Number: XJ/H/W/0005  
Drawing Scale: As indicated  
CADD File Name: -S1.01.dwg  
CADD Plot Scale: As indicated  
Phase: ☐ CD-1 (60%) ☐ CD-2 (100%)  
☐ DRAFT IFC ☒ IFC

Date: 02/14/2019  
Drawn By: RL  
Checked By: DM  
Project Number: L24503.vite  
Sheet Number: **S1.01**  
Classification: UNCLASSIFIED

UNCLASSIFIED

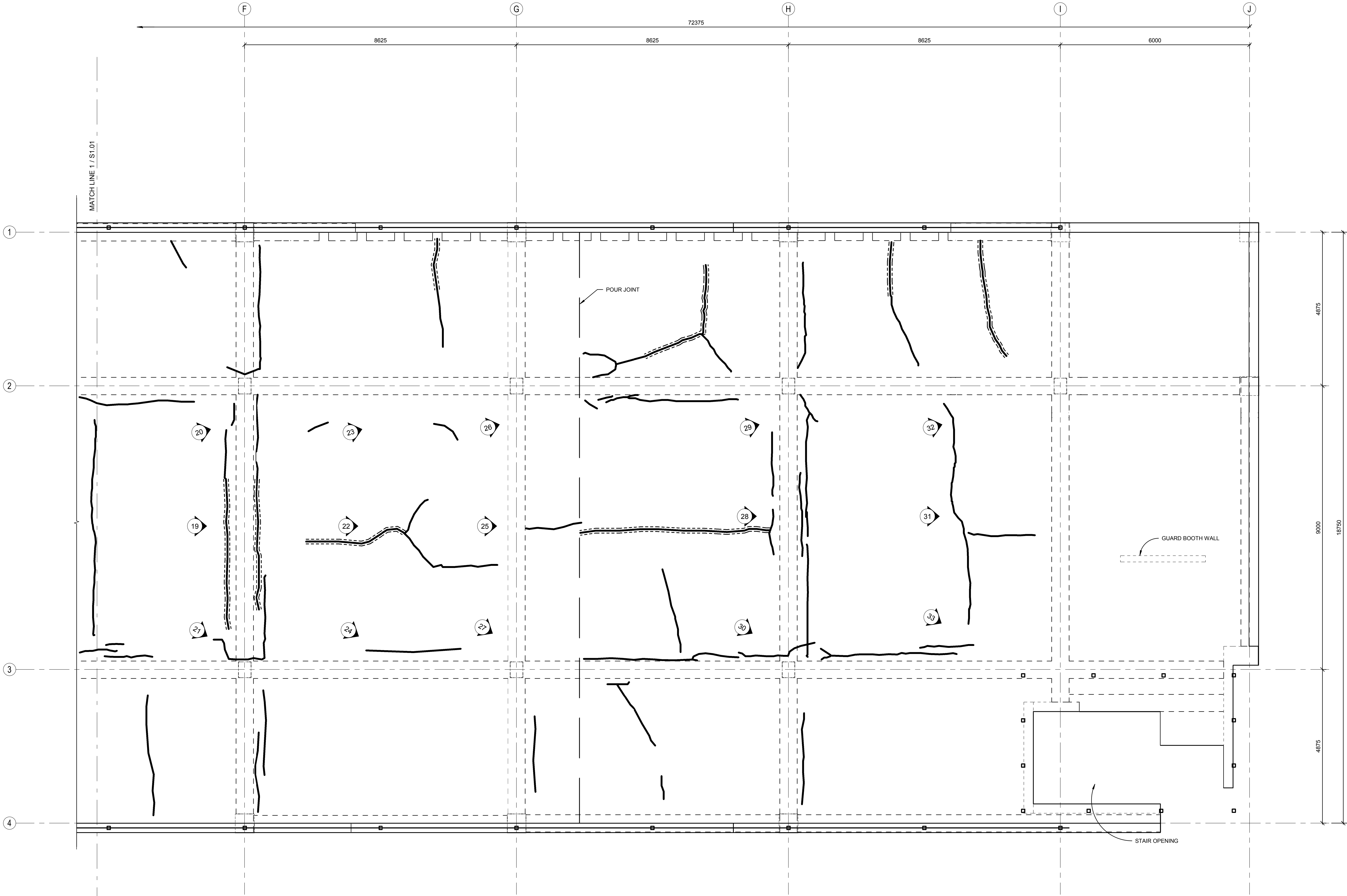


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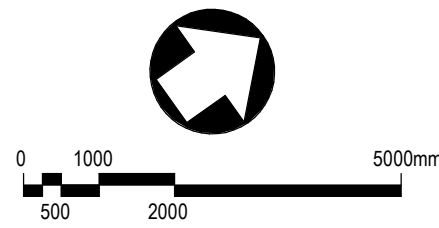
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NOTE:  
CRACK WIDTHS LESS THAN 0.51mm (0.02") ARE NOT SHOWN.

1 TOP OF SLAB CRACK MAP - NORTH  
S1.02 1:50

- APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")
- INDICATES CRACK THROUGH FULL DEPTH OF SLAB
- INDICATES PHOTO ID NUMBER AND DIRECTION PHOTO WAS TAKEN. SEE SHEETS S3.01 TO S3.05



REVISIONS		
Rev Number	Description	Date

Architects

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Release For Construction  
Contract Number: 19AQMM-18-F-2530  
OBO/PE/SPCD

Drawing Title  
TOP OF SLAB CRACK MAP - NORTH

OBO Project Number XJH/WD05 As indicated Phase ☐ CD-1 (60%) ☐ CD-2 (100%)  
CADD File Name -S1.02.dwg As indicated ☐ DRAFT IFC ☒ IFC

Date 02/14/2019  
Drawn By RL  
Checked By DM  
Project Number L24503.vte  
Classification 02/11/2019

Sheet Number  
**S1.02**  
UNCLASSIFIED

UNCLASSIFIED





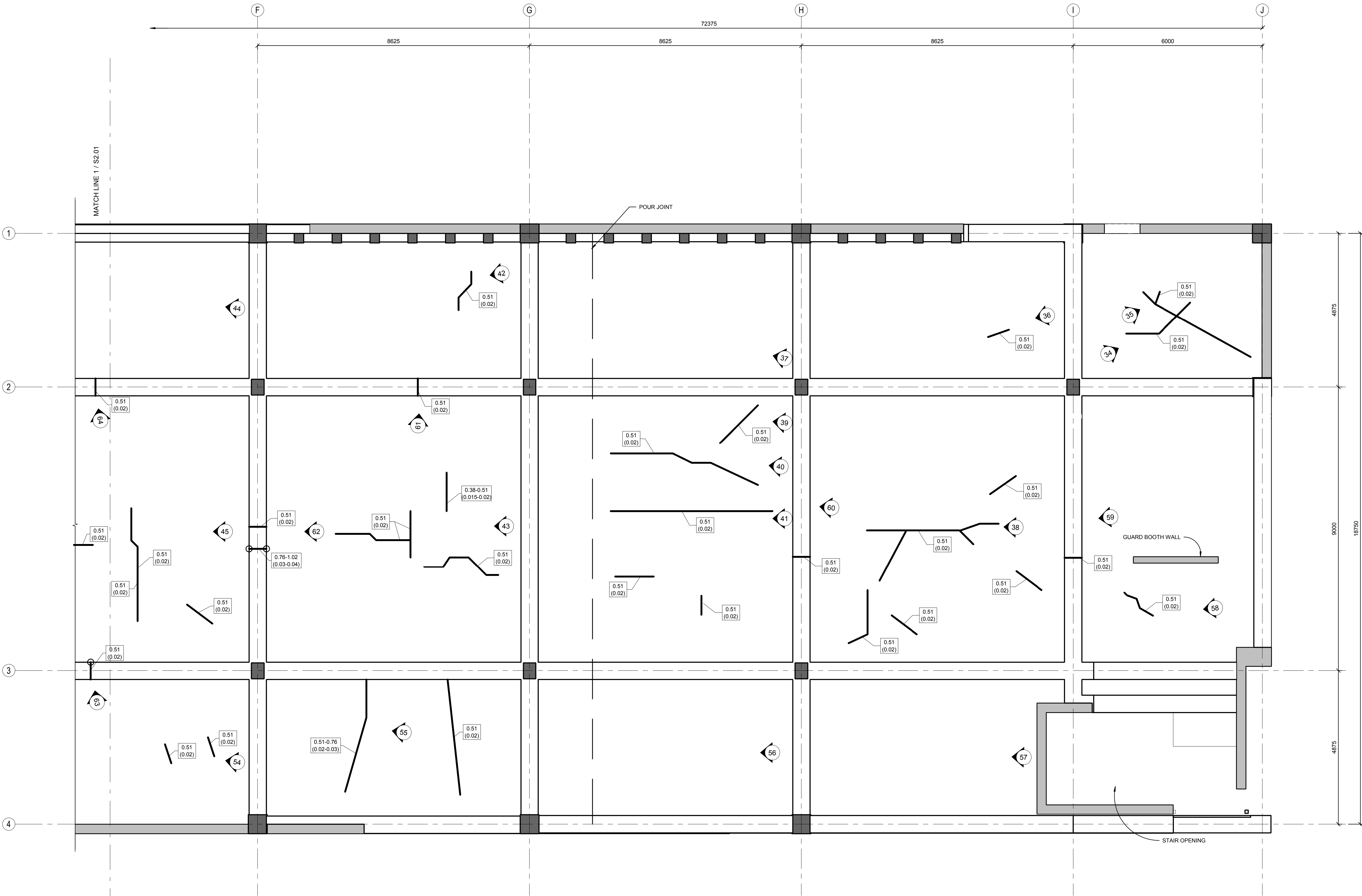


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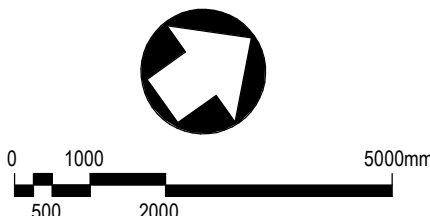
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NOTE:  
CRACK WIDTHS LESS THAN 0.51mm (0.02") ARE NOT SHOWN.

1 BOTTOM OF SLAB AND BEAM CRACK MAP - NORTH  
S2.02 1:50

- APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51MM (0.02")
- INDICATES CRACK CONTINUES ONTO SIDE OF BEAM AT WIDTH EQUAL TO OR GREATER THAN 0.51MM (0.02")
- TYPICAL CRACK WIDTH, MM (INCHES)
- INDICATES PHOTO ID NUMBER AND DIRECTION PHOTO WAS TAKEN. SEE SHEETS S3.01 TO S3.05



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Release For Construction  
Contract Number: 19AQMM-18-F-2500

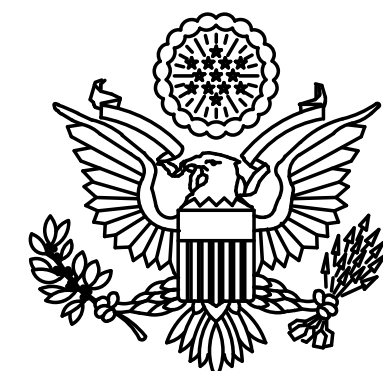
OBO/PE/SPCD

Drawing Title  
BOTTOM OF SLAB CRACK MAP - NORTH

OBO Project Number  
XJH/0005  
Drawing Scale  
As Indicated  
Phase  
CD-1 (60%) CD-2 (100%)  
CADD File Name  
-S2.02.dwg  
CADD Plot Scale  
As Indicated  
DRAFT IFC IFC

Date  
02/14/2019  
Drawn By  
DL  
Checked By  
DM  
Project Number  
L24503.vit  
Sheet Number  
S2.02  
Classification  
UNCLASSIFIED



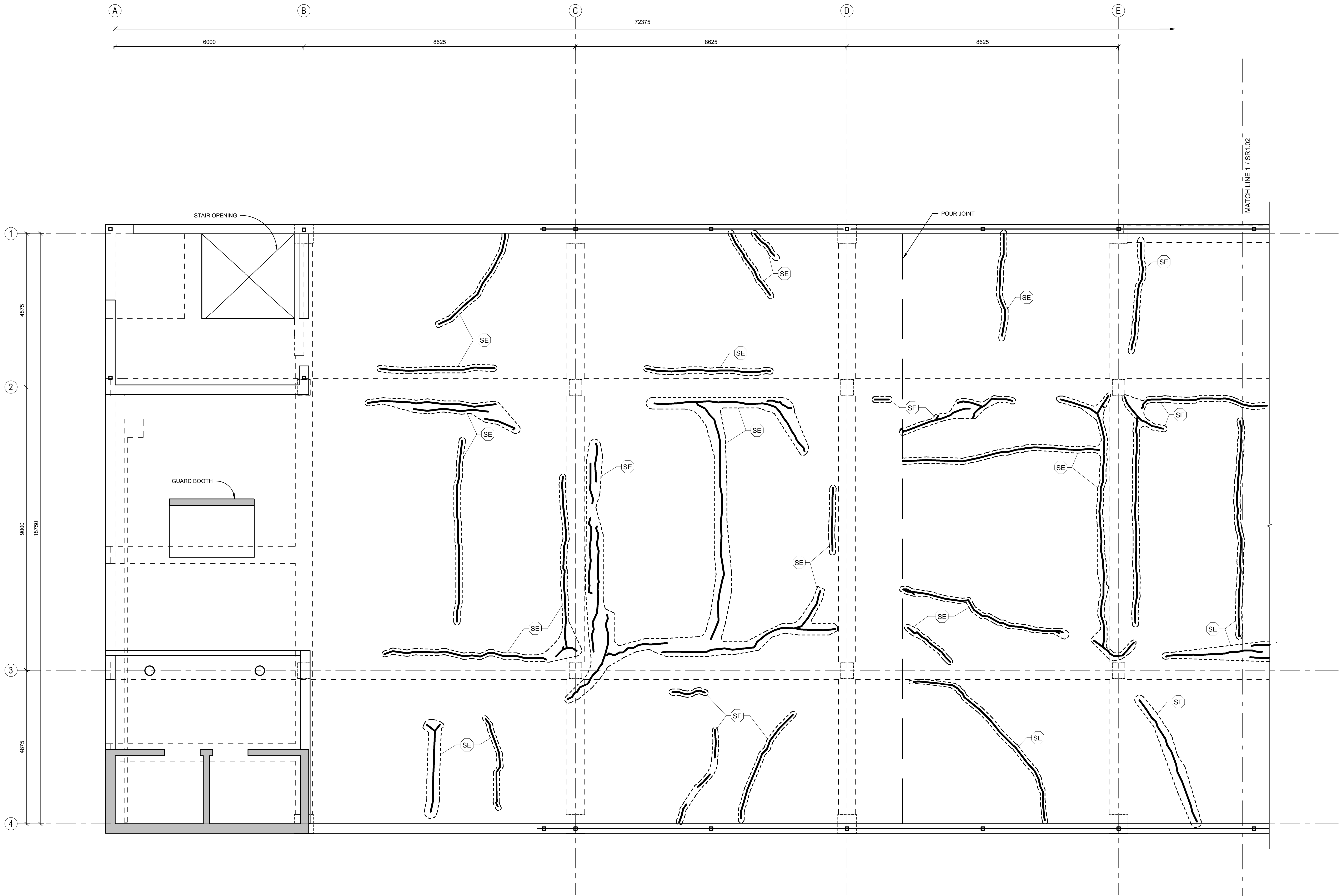


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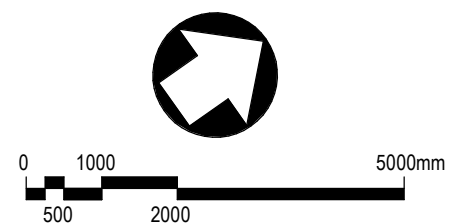
- NOTES:
1. APPLY WATERPROOF TRAFFIC COATING OVER ENTIRE EXPOSED TOP SURFACE OF SLAB AFTER FILLING CRACKS WITH EPOXY.
  2. REPAINT PARKING STRIPES, HANDICAP DESIGNATIONS, AND PATHWAYS TO MATCH EXISTING AFTER APPLYING TRAFFIC COATING.
  3. APPROX. LENGTH OF CRACKS TO BE FILLED WITH STRUCTURAL EPOXY ON THIS SHEET IS 184M. CONTRACTOR SHALL VERIFY CRACK LENGTHS AND SIZES PRIOR TO START OF WORK.

1 TOP OF SLAB REPAIR PLAN - SOUTH  
SR1.01 1:50

APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")

SE FILL CRACKS WITH STRUCTURAL EPOXY

FS FILL CRACKS WITH FLEXIBLE SEALANT MATERIAL



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Release For Construction

Contract Number: 19AQMM-18-F-2530

OBO/PE/SPCD

Drawing Title

TOP OF SLAB REPAIR PLAN - SOUTH

OBO Project Number

XJH/W0005

CADD File Name

-SR1.01.dwg

Drawing Scale

As Indicated

Phase

CD-1 (60%) CD-2 (100%)

DRAFT IFC IFC

Date

02/14/2019

Drawn By

DL

Checked By

DM

Project Number

L24503.vte

Classification

02/11/2019

Sheet Number

SR1.01

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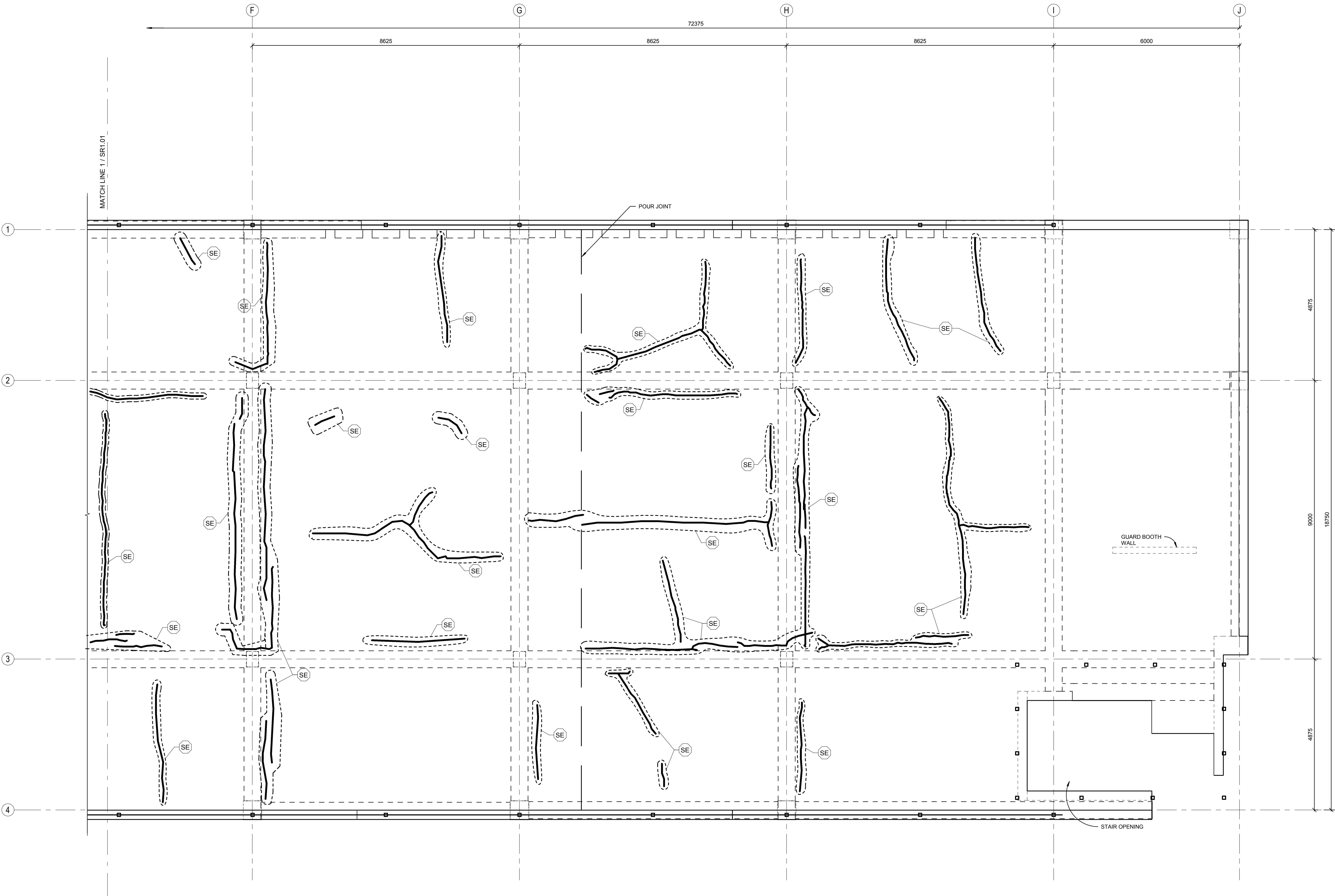


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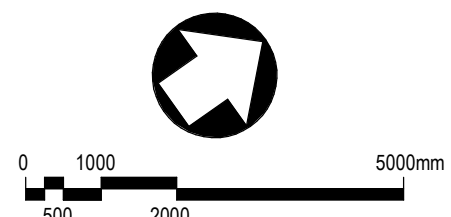
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- NOTES:
1. APPLY WATERPROOF TRAFFIC COATING OVER ENTIRE EXPOSED TOP SURFACE OF SLAB AFTER FILLING CRACKS WITH EPOXY.
  2. REPAINT PARKING STRIPES, HANDICAP DESIGNATIONS, AND PATHWAYS TO MATCH EXISTING AFTER APPLYING TRAFFIC COATING.
  3. APPROX. LENGTH OF CRACKS TO BE FILLED WITH STRUCTURAL EPOXY ON THIS SHEET IS 174M. CONTRACTOR SHALL VERIFY CRACK LENGTHS AND SIZES PRIOR TO START OF WORK.

1 TOP OF SLAB REPAIR PLAN - NORTH  
SR1.02 1:50

- APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")
- SE FILL CRACKS WITH STRUCTURAL EPOXY
- FS FILL CRACKS WITH FLEXIBLE SEALANT MATERIAL



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Release For Construction

Contract Number: 19AQMM-18-F-2500

OBO/PE/SPCD

Drawing Title  
TOP OF SLAB REPAIR PLAN - NORTH

OBO Project Number  
XJH/0005  
CADD File Name  
-SR1.02.dwg  
Drawing Scale  
As indicated  
CADD Plot Scale  
As indicated  
Phase  
☐ CD-1 (60%) ☐ CD-2 (100%)  
☐ DRAFT IFC ☒ IFC

Date  
02/14/2019  
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SR1.02  
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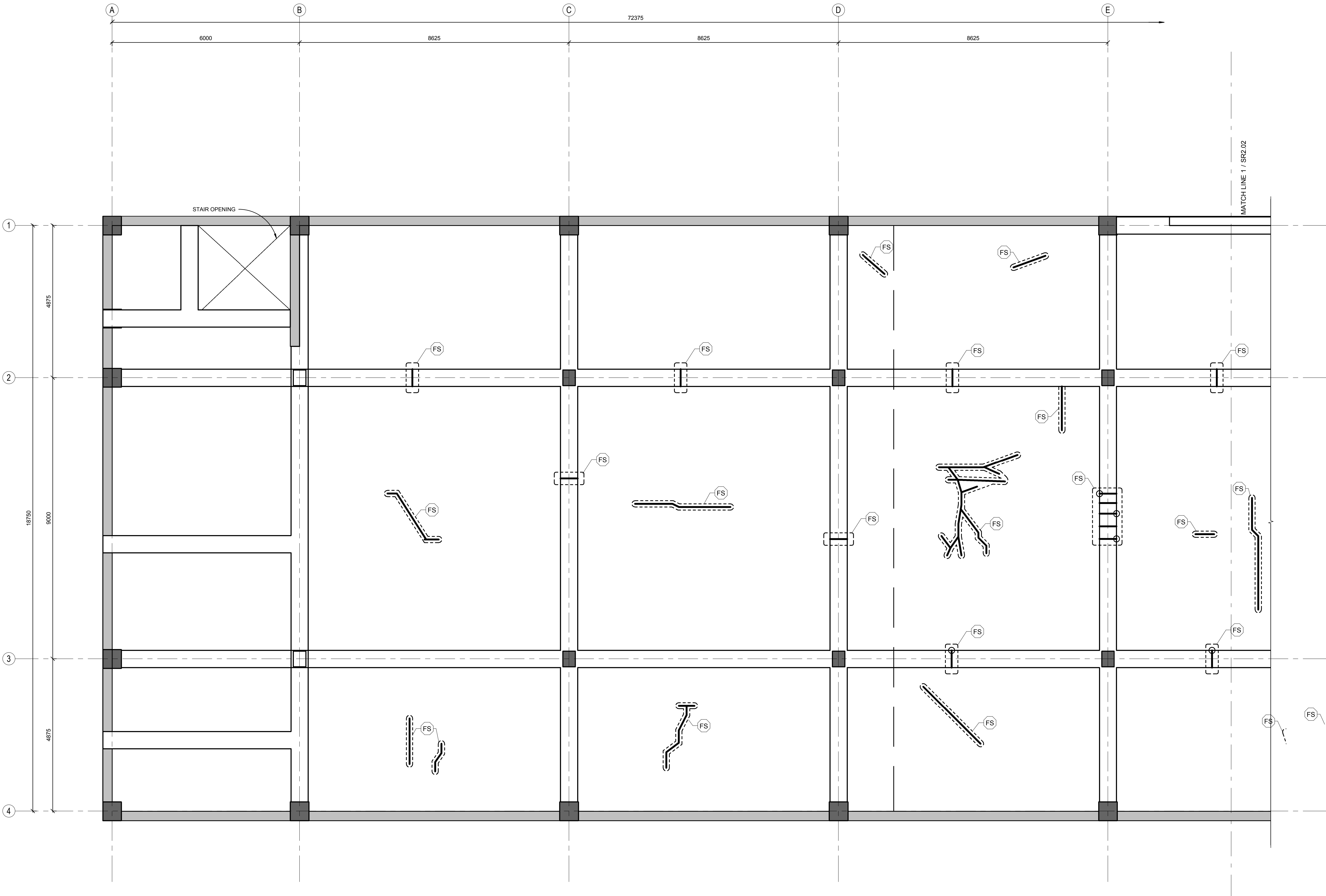


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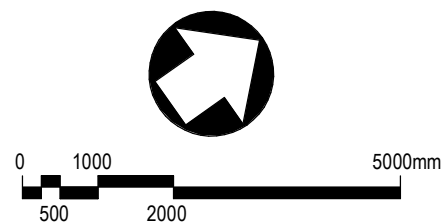
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2. APPROX. LENGTH OF CRACKS TO BE FILLED WITH FLEXIBLE SEALANT ON THIS SHEET IS 47M. CONTRACTOR SHALL VERIFY CRACK LENGTHS AND SIZES PRIOR TO START OF WORK.

1 BOTTOM OF SLAB AND BEAM REPAIR PLAN - SOUTH  
SR2.01 1:50

- APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")
- INDICATES CRACK CONTINUES ONTO SIDE OF BEAM AT WIDTH EQUAL TO OR GREATER THAN 0.51mm (0.02")
- FILL CRACKS WITH STRUCTURAL EPOXY
- FILL CRACKS WITH FLEXIBLE SEALANT MATERIAL



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800.645.6000

Release For Construction

Contract Number: 19AQMM-18-F-2500

OBO/PE/SPCD

Drawing Title  
**BOTTOM OF SLAB REPAIR PLAN - SOUTH**

OBO Project Number: XJH/0005  
Drawing Scale: As indicated  
CADD File Name: -SR2.01.dwg  
CADD Plot Scale: As indicated  
Phase: ☐ CD-1 (60%) ☐ CD-2 (100%)  
☐ DRAFT IFC ☒ IFC

Date: 02/14/2019  
Drawn By: RL  
Checked By: DM  
Project Number: L24503.vite  
Sheet Number: **SR2.01**  
Classification: UNCLASSIFIED



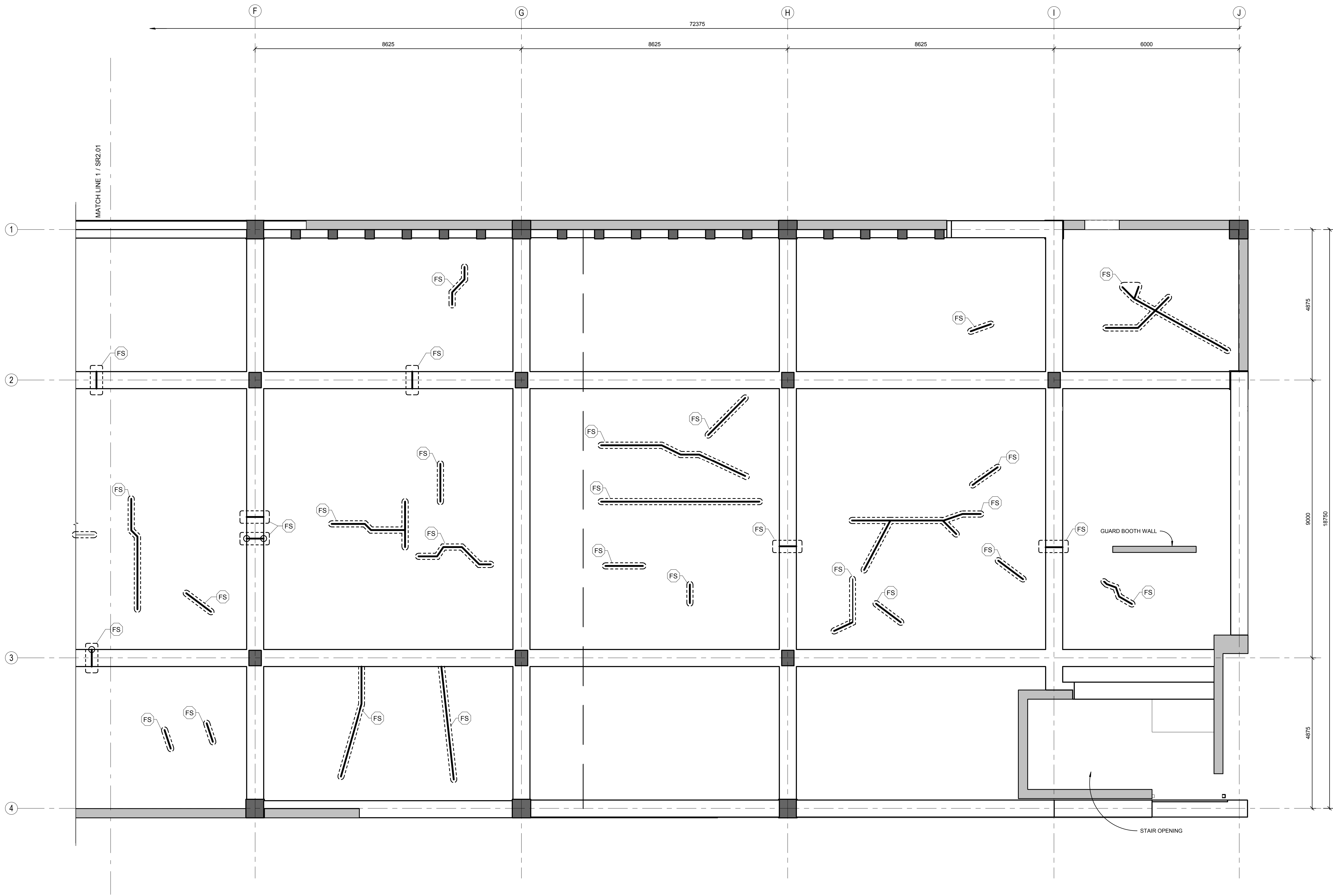


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2. APPROX. LENGTH OF CRACKS TO BE FILLED WITH FLEXIBLE SEALANT ON THIS SHEET IS 71M. CONTRACTOR SHALL VERIFY CRACK LENGTHS AND SIZES PRIOR TO START OF WORK.

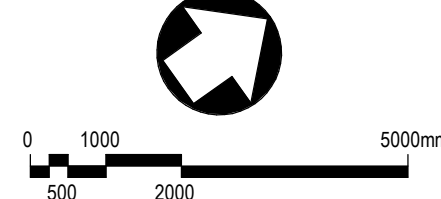
1 BOTTOM OF SLAB AND BEAM REPAIR PLAN - NORTH  
SR2.02 1:50

APPROXIMATE LOCATION OF CRACK, EQUAL TO OR GREATER THAN 0.51mm (0.02")

INDICATES CRACK CONTINUES ONTO SIDE OF BEAM AT WIDTH EQUAL TO OR GREATER THAN 0.51mm (0.02")

FILL CRACKS WITH STRUCTURAL EPOXY

FILL CRACKS WITH FLEXIBLE SEALANT MATERIAL



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OBO/PE/SPCD

Drawing Title

BOTTOM OF SLAB REPAIR PLAN - NORTH

OBO Project Number

XJH/0005

Drawing Scale

As indicated

Phase

CD-1 (60%) CD-2 (100%)

CADD File Name

-SR2.02.dwg

CADD Plot Scale

As indicated

DRAFT IFC IFC

Date

02/14/2019

Drawn By

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Project Number

L24503.vte

Sheet Number

SR2.02

Classification

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